

**AMENDMENTS TO THE CLAIMS:**

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently amended) A rotary shaft balancer mechanism[[,]] for reducing a rotary moment operating on a rotary shaft from members supported by the rotary shaft rotatably supported on one or more shaft supports, ~~characterized by~~ comprising:

a cam member fixed to an end of the rotary shaft[[,]] such that a center of said cam member is eccentric to an axial center of said rotary shaft;

a cam follower which makes contact with the cam member to follow it up[[,]]; and

a gas spring for elastically energizing the cam follower toward the cam member and for generating on the rotary shaft a balancing rotary moment canceling at least a part of the rotary moment, via the cam follower and the cam member.

2. (Currently amended) The rotary shaft balancer mechanism according to claim 1, wherein:

the cam member is ~~composed~~ comprised of a circular disc member; ~~having an axial center eccentric to an axial center of the rotary shaft and~~

the cam follower is constructed so as to contact with ~~[[the]]~~ a periphery of the disc member.

3. (Currently amended) The rotary shaft balancer mechanism according to claim 1, wherein the cam follower is ~~composed~~ comprised of a roller member rotatably mounted to an output member of the gas spring.

4. (Previously Presented) The rotary shaft balancer mechanism according to claim 2, wherein a direction in which the cam follower is elastically energized by the gas spring faces the axial center of the rotary shaft.

5. (Previously Presented) The rotary shaft balancer mechanism according to claim 1, wherein the rotary shaft supports a table in which a work is detachably mounted in an indexer.

6. (Previously Presented) The rotary shaft balancer mechanism according to claim 2, wherein the rotary shaft supports a table in which a work is detachably mounted in an indexer.

7. (Previously Presented) The rotary shaft balancer mechanism according to claim 3, wherein the rotary shaft supports a table in which a work is detachably mounted in an indexer.

8. (Previously Presented) The rotary shaft balancer mechanism according to claim 4, wherein the rotary shaft supports a table in which a work is detachably mounted in an indexer.

9. (Previously Presented) The rotary shaft balancer mechanism according to claim 3, wherein a direction in which the cam follower is elastically energized by the gas spring faces the axial center of the rotary shaft.

10. (New) A rotary shaft balancer mechanism for reducing a rotary moment operating on a rotary shaft from members supported by the rotary shaft rotatably supported on one or more shaft supports, comprising:

a cam member fixed to an end of the rotary shaft such that a center of said cam member is eccentric to an axial center of said rotary shaft;

a cam follower which makes contact with the cam member to follow up said cam member; and

a device for elastically energizing the cam follower toward the cam member and for generating on the rotary shaft a balancing rotary moment canceling at least a part of the rotary moment, via the cam follower and the cam member.

11. (New) The rotary shaft balancer mechanism according to claim 10, wherein said device for elastically energizing the cam follower includes at least one of a gas spring or a hydraulic cylinder.

12. (New) The rotary shaft balancer mechanism according to claim 10, wherein an elastic energizing force of said device is adjustable according to a magnitude of the rotary moment.

13. (New) The rotary shaft balancer mechanism according to claim 10, wherein said device includes the hydraulic cylinder, and further comprises an accumulator for supplying approximately constant fluid pressure for the hydraulic cylinder.

14. (New) The rotary shaft balancer mechanism according to claim 10, wherein a position of said device is adjustable according to a magnitude of the rotary moment.